Marine Corps Spectrum Management

Spectrum Management Officer
Headquarters, U.S. Marine Corps

12 Dec 2011

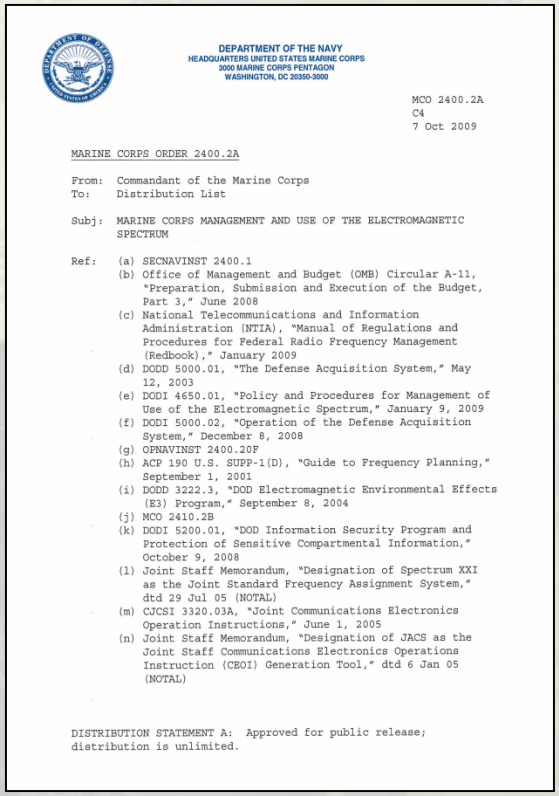
DISTRIBUTION STATEMENT A: Approved for public release; distribution is

Spectrum Planning Section

- Mission
  - Establish Marine Corps policy, and provide oversight, guidance and procedures relating to the proper and efficient management of the electromagnetic spectrum
  - Provide Marine Corps representation (at the policy level) to various national, DoD, Joint, and DON organizations, working groups and forums
  - Provide administrative, technical and operational support to the Operating Forces (OPFOR) and Supporting Establishment (SE) in support of Marine Corps electromagnetic spectrum operational requirements

Marine Corps Order 2400.2A

- Marine Corps Management and Use of the Electromagnetic Spectrum
  - Establishes policy, guidance and procedures
  - Provides command relationships and specific roles and responsibilities
  - Ensures spectrum supportability and Host Nation Coordination (HNC) are considered during the acquisition process/system lifecycle
  - Ensures consideration of the electromagnetic spectrum during all phases of MAGTF planning
  - Standardizes and provides procedures in support of spectrum management



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HEADQUARTERS UNITED STATES MARINE CORPS
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WASHINGTON, DC 20350-3000

MCO 2400.2A
C4
7 Oct 2009

MARINE CORPS ORDER 2400.2A

From: Commandant of the Marine Corps
To: Distribution List

Subj: MARINE CORPS MANAGEMENT AND USE OF THE ELECTROMAGNETIC SPECTRUM

Ref: (a) SECNAVINST 2400.1
(b) Office of Management and Budget (OMB) Circular A-11, "Preparation, Submission and Execution of the Budget, Part 3," June 2008
(c) National Telecommunications and Information Administration (NTIA), "Manual of Regulations and Procedures for Federal Radio Frequency Management (Redbook)," January 2009
(d) DODD 5000.01, "The Defense Acquisition System," May 12, 2003
(e) DODI 4650.01, "Policy and Procedures for Management of Use of the Electromagnetic Spectrum," January 9, 2009
(f) DODI 5000.02, "Operation of the Defense Acquisition System," December 8, 2008
(g) OPNAVINST 2400.20F
(h) ACP 190 U.S. SUPP-1(D), "Guide to Frequency Planning," September 1, 2001
(i) DODD 3222.3, "DOD Electromagnetic Environmental Effects (E3) Program," September 8, 2004
(j) MCO 2410.2B
(k) DODI 5200.01, "DOD Information Security Program and Protection of Sensitive Compartmental Information," October 9, 2008
(l) Joint Staff Memorandum, "Designation of Spectrum XXI as the Joint Standard Frequency Assignment System," dtd 29 Jul 05 (NOTAL)
(m) CJCSI 3320.03A, "Joint Communications Electronics Operation Instructions," June 1, 2005
(n) Joint Staff Memorandum, "Designation of JACS as the Joint Staff Communications Electronics Operations Instruction (CEOI) Generation Tool," dtd 6 Jan 05 (NOTAL)

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Personnel

- Spectrum Management Officer (MOS 0640)
  - 10 T/O billets (WO-CWO4)
    - Currently 100% staffed
    - Minor reorganization
- Spectrum Manager (NMOS 0648)
  - 46 T/O billets (SSgt-MGySgt)
    - Currently 98% staffed
    - Continued challenges
- Civilian Positions
  - 16 T/O billets
    - Currently 100% staffed

Personnel

- Regimental Frequency Management (NMOS 0648)
  - SSgt (E-6) 0629 EPLRS Supervisor
    - Active and Reserve
    - 12 Additional Billets
- Marine Air Group Frequency Management (NMOS 0648)
  - Identify Requirements
    - Active and Reserve
    - Associate with required billets

Training

- Electromagnetic Spectrum Management Course (ESMC)
  - 18 seats (annually)
- Joint Task Force (JTF) Spectrum Management Course
  - 18 seats (annually)
  - Remains unit funded – HQMC C4 working with TECOM to rectify
- Other Training Efforts
  - Development/implementation of SM curriculum at USMC formal school houses
    - Communications Officer Courses (MCB Quantico)
      - BCOC, ACOC and WOCC (WO and 2ndLt through Maj/LtCol)
    - Marine Corps Communications-Electronics School (MCCES)
      - Radio Chief and Comm Chief courses (SSgt through MGySgt)
  - NTIA Radio Frequency Management Course
    - WO/CWO and senior operational billets

Ongoing USMC Issues

- Overseas Contingency Operations (OCO)
  - Afghanistan operational support
  - Personnel and training
  - Pre-deployment planning
  - Spectrum supportability
- National level spectrum reallocation
  - Significant impact to day-to-day operations/training
  - Impacts across all functional areas
  - Coordinating with National level, DoD and DON stakeholders
- World Radio Conference (WRC) 2012
  - Coordinating with/supporting DON CIO lead
- Global Electromagnetic Spectrum Information System (GEMSIS)

Ongoing USMC Issues (Cont.)

- Spectrum Supportability (SS)
  - Significant challenge during the acquisition process
    - ELCID (Standalone)
      - Procedural issues
    - Scan Eagle
    - UAS in general
    - Procedural issues
    - Operational requirements in support of OEF/OIF
      - Urgent Universal Needs Statements (UUNS)
  - MCO 2400.2A established roles and responsibilities to ensure SS is completed during the acquisition lifecycle
    - MARCORSYSCOM is the USMC lead
      - Completed process improvements and standardization
      - Implemented procedures and guidance for acquisition professionals
        - » National and DoD level certification
        - » Host nation coordination (HNC)/foreign disclosure
      - Supports program offices, OPFOR, SE and CD&I with SS requirements/actions
      - Central clearing house for USMC submissions and tracking of SS packages
    - Since 2008, 65% increase in SS submissions
  - ***GOAL - Improve SS process***

Ongoing USMC Issues (Cont.)

- 2012 Goals & Challenges
  - National level spectrum reallocation
    - Required regulatory statuses and protections are provided
    - Identified alternative, comparable spectrum is made available
    - Sufficient funding is provided to complete the necessary modifications or replacements to affected systems
    - Protected exclusions zones can be established to ensure continued training and operations during the transition timeframes.
  - Continue spectrum supportability/certification/HNC efforts
  - Update/Review MCO 2400.2A
  - Training & Personnel
    - Obtain TECOM funding for the JTF Course
    - Complete curriculum development/review of formal courses
  - 100% completion of CY-2012 record reviews

Questions?